

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraphs beginning on page 4, line 11 as follows:

The various objects and advantages of the present invention will be more readily understood from the following detailed description when read in conjunction with the appended drawing, in which:

Fig. 1A shows the X-ray diffraction pattern of (Zn, Cd) S: Ag⁺, Cl⁻ phosphor according to the present invention;

Fig. 1B shows the X-ray diffraction pattern of ZnS: Ag⁺, Cl⁻ phosphor according to the present invention;

Fig. 2A shows the emission spectrum of the (Zn, Cd) S: Ag⁺, Cl⁻ phosphor according to the present invention;

Fig. 2B shows the emission spectrum of the ZnS: Ag⁺, Cl⁻ phosphor according to the present invention;

Fig. 3 shows the spectrum of the (Zn, Cd) S: Ag⁺, Cl⁻ phosphor mixed with epoxy in different ratios and excited by a 405nm blue-purple LED according to the present invention; and

Fig. 4 shows a CIE chart for the data in ~~Fig. 3~~ Fig. 3;

Fig. 5 is an experimental CIE chromaticity diagram; and

Figs. 6-10 are spectrum graphs of experimental data for five samples.

Please delete pages 10-12 in their entirety and insert the following new paragraphs:

B. Testing Data

Fig. 5 is a graph showing the experimental CIE chromaticity diagram with data points for five samples in comparison to a black body curve. Figs. 6-10 each show an experimental spectrum of one of the five samples.